

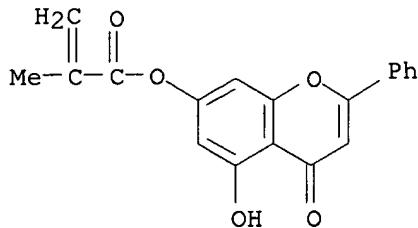
> s chrysin
L1 54 CHRYSIN

=> d 11

L1 ANSWER 1 OF 54 REGISTRY COPYRIGHT 2003 ACS
RN 401947-95-3 REGISTRY
CN 2-Propenoic acid, 2-methyl-, 5-hydroxy-4-oxo-2-phenyl-4H-1-benzopyran-7-yl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Chrysin 7-O-methacrylate
FS 3D CONCORD
MF C19 H14 O5
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> s daidzein
L2 51 DAIDZEIN

=> d 12

L2 ANSWER 1 OF 51 REGISTRY COPYRIGHT 2003 ACS
RN 519754-75-7 REGISTRY
CN Daidzein O-methyltransferase (Glycyrrhiza echinata Ak-1 cell) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN GenBank BAC58012
CN GenBank BAC58012 (Translated from: GenBank AB091685)
CN S-adenosyl-L-methionine: daidzein 7-O-methyltransferase (licorice Ak-1 cell)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR GenBank
LC STN Files: CA, CAPLUS

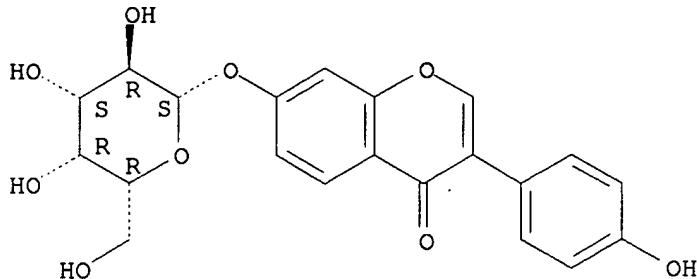
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> d 12 10-20

L2 ANSWER 10 OF 51 REGISTRY COPYRIGHT 2003 ACS
RN 254898-95-8 REGISTRY
CN 4H-1-Benzopyran-4-one, 7-(.beta.-D-galactopyranosyloxy)-3-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:

CN Daidzein 7-galactoside
FS STEREOSEARCH
MF C21 H20 O9
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



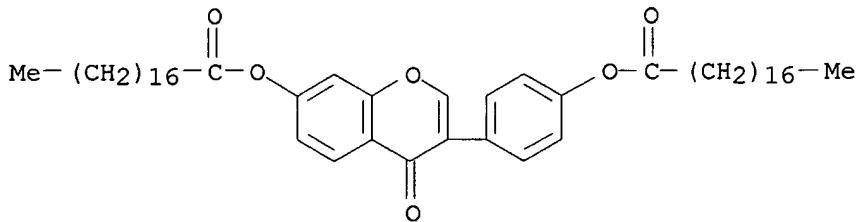
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 11 OF 51 REGISTRY COPYRIGHT 2003 ACS
RN 254114-77-7 REGISTRY
CN Octadecanoic acid, 4-[4-oxo-7-[(1-oxooctadecyl)oxy]-4H-1-benzopyran-3-yl]phenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Daidzein 4',7-distearate
FS 3D CONCORD
MF C51 H78 O6
SR CA
LC STN Files: CA, CAPLUS, CASREACT



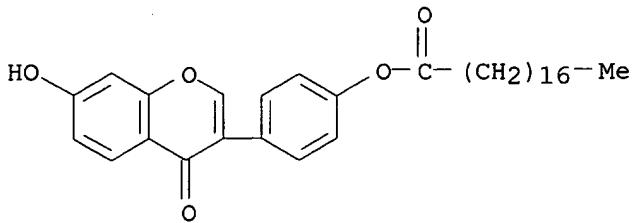
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 12 OF 51 REGISTRY COPYRIGHT 2003 ACS
RN 254114-76-6 REGISTRY
CN Octadecanoic acid, 4-(7-hydroxy-4-oxo-4H-1-benzopyran-3-yl)phenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Daidzein 4'-stearate
FS 3D CONCORD
MF C33 H44 O5
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 13 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 254114-74-4 REGISTRY

CN Octadecanoic acid, 3-(4-hydroxyphenyl)-4-oxo-4H-1-benzopyran-7-yl ester
(9CI) (CA INDEX NAME)

OTHER NAMES:

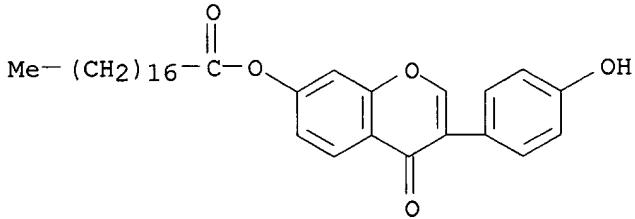
CN Daidzein 7-stearate

FS 3D CONCORD

MF C33 H44 O5

SR CA

LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 14 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 239480-24-1 REGISTRY

CN 9-Octadecenoic acid (9Z)-, 4-[4-oxo-7-[[(9Z)-1-oxo-9-octadecenyl]oxy]-4H-1-benzopyran-3-yl]phenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Daidzein 4',7-dioleate

FS STEREOSEARCH

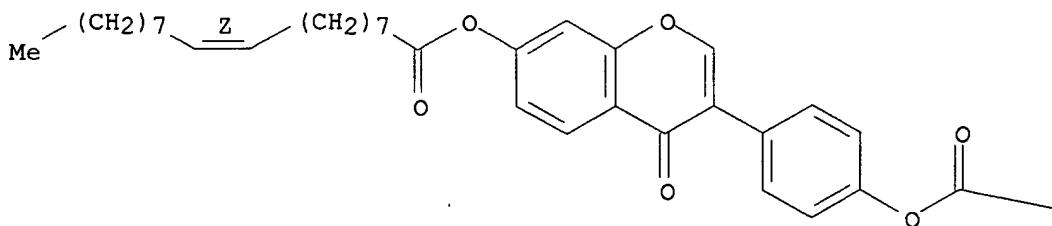
MF C51 H74 O6

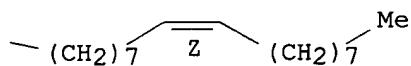
SR CA

LC STN Files: CA, CAPLUS, CASREACT

Double bond geometry as shown.

PAGE 1-A





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPIUS (1957 TO DATE)

L2 ANSWER 15 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 239480-17-2 REGISTRY

CN 9-Octadecenoic acid (9Z)-, 3-(4-hydroxyphenyl)-4-oxo-4H-1-benzopyran-7-yl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Daidzein 7'-oleate

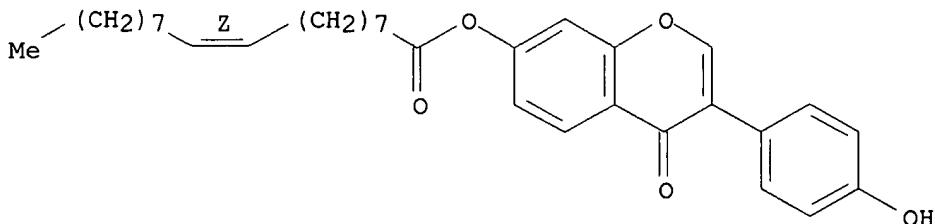
FS STEREOSEARCH

MF C33 H42 O5

SR CA

LC STN Files: CA, CAPIUS, CASREACT

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPIUS (1957 TO DATE)

L2 ANSWER 16 OF 51 REGISTRY COPYRIGHT 2003 ACS

RN 239480-16-1 REGISTRY

CN 9-Octadecenoic acid (9Z)-, 4-(7-hydroxy-4-oxo-4H-1-benzopyran-3-yl)phenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Daidzein 4'-oleate

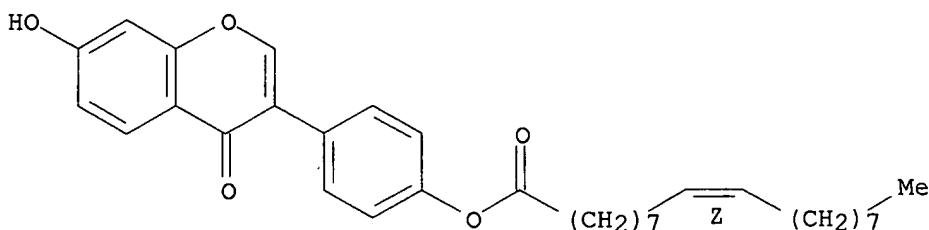
FS STEREOSEARCH

MF C33 H42 O5

SR CA

LC STN Files: CA, CAPIUS, CASREACT

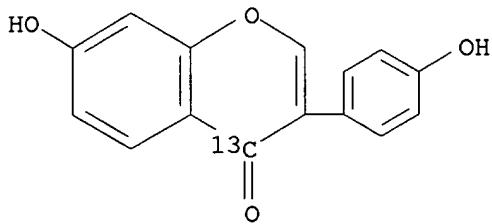
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 17 OF 51 REGISTRY COPYRIGHT 2003 ACS
RN 215653-79-5 REGISTRY
CN 4H-1-Benzopyran-4-one-4-13C, 7-hydroxy-3-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN [4-13C]-Daidzein
FS 3D CONCORD
MF C15 H10 O4
SR CA
LC STN Files: CA, CAPLUS



3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 18 OF 51 REGISTRY COPYRIGHT 2003 ACS
RN 205331-51-7 REGISTRY
CN Methyltransferase, daidzein (*Medicago sativa* clone pIOMT8 reduced) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN GenBank U97125-derived protein GI 2580540
CN Isoflavone 7-O-methyltransferase (alfalfa clone pIOMT8 reduced)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 19 OF 51 REGISTRY COPYRIGHT 2003 ACS
RN 205331-50-6 REGISTRY
CN Methyltransferase, daidzein (*Medicago sativa* clone pIOMT6 reduced) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN GenBank AF000975-derived protein GI 2580582
CN Isoflavone 7-O-methyltransferase (alfalfa clone pIOMT6 reduced)
FS PROTEIN SEQUENCE

MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
 1 REFERENCES IN FILE CA (1957 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 20 OF 51 REGISTRY COPYRIGHT 2003 ACS
RN 205331-49-3 REGISTRY
CN Methyltransferase, daidzein (*Medicago sativa* clone pIOMT9 reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank AF000976-derived protein GI 2580584
CN Isoflavone 7-O-methyltransferase (alfalfa clone pIOMT9 reduced)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
 1 REFERENCES IN FILE CA (1957 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> s diosmin
L3 7 DIOSMIN

=> d 13

L3 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2003 ACS
RN 122312-55-4 REGISTRY
CN Aluminum, [.mu.7-[7-[[6-O-[6-deoxy-2,3,4-tri-O-(sulfo-.kappa.O)-.alpha.-L-mannopyranosyl]-2,3,4-tri-O-(sulfo-.kappa.O)-.beta.-D-glucopyranosyl]oxy]-5-hydroxy-2-[4-methoxy-3-[(sulfo-.kappa.O)oxy]phenyl]-4H-1-benzopyran-4-onato(7-)]]tetradeca-.mu.-hydroxyheneicosahydroxytetradeca- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Aluminum, [.mu.7-[7-[[6-O-(6-deoxy-2,3,4-tri-O-sulfo-.alpha.-L-mannopyranosyl)-2,3,4-tri-O-sulfo-.beta.-D-glucopyranosyl]oxy]-5-hydroxy-2-[4-methoxy-3-(sulfoxy)phenyl]-4H-1-benzopyran-4-onato(7-)]]tetradeca-.mu.-hydroxyheneicosahydroxytetradeca-

OTHER NAMES:

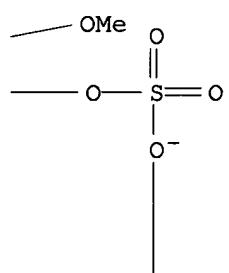
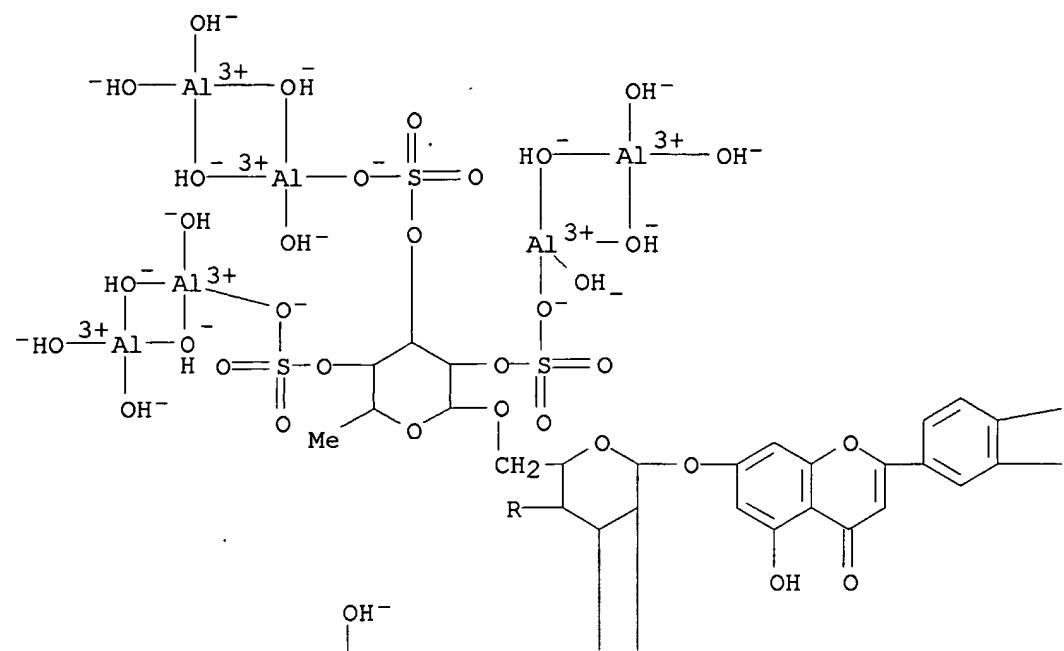
CN Dosmalfate
CN [.mu.7-[[Diosmin heptasulfato](7-)]]tetracontahydroxytetradecaaluminum

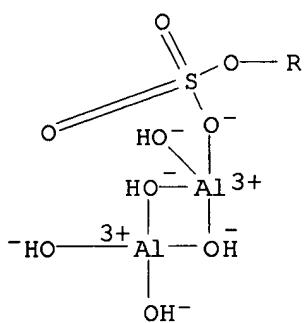
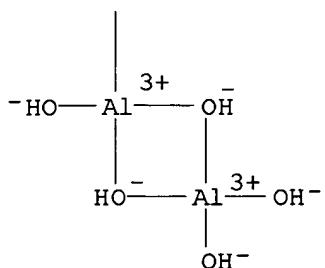
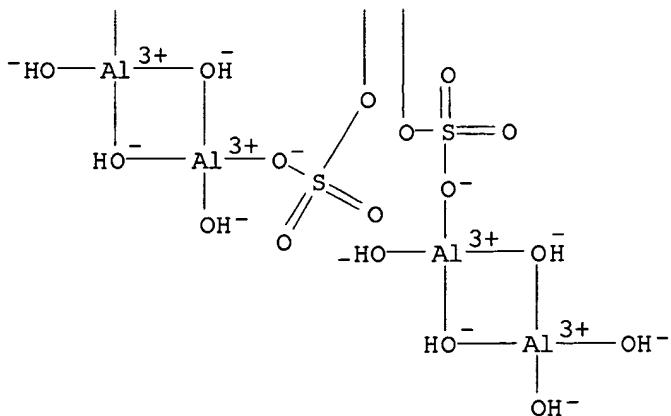
MF C28 H60 Al14 O71 S7
CI CCS

SR World Health Organization

LC STN Files: ADISINSIGHT, BIOSIS, BIOTECHNO, CA, CAPLUS, DRUGNL, DRUGPAT, DRUGUPDATES, EMBASE, IPA, PHAR, PROMT, SYNTHLINE, TOXCENTER, USAN, USPATFULL

Other Sources: WHO



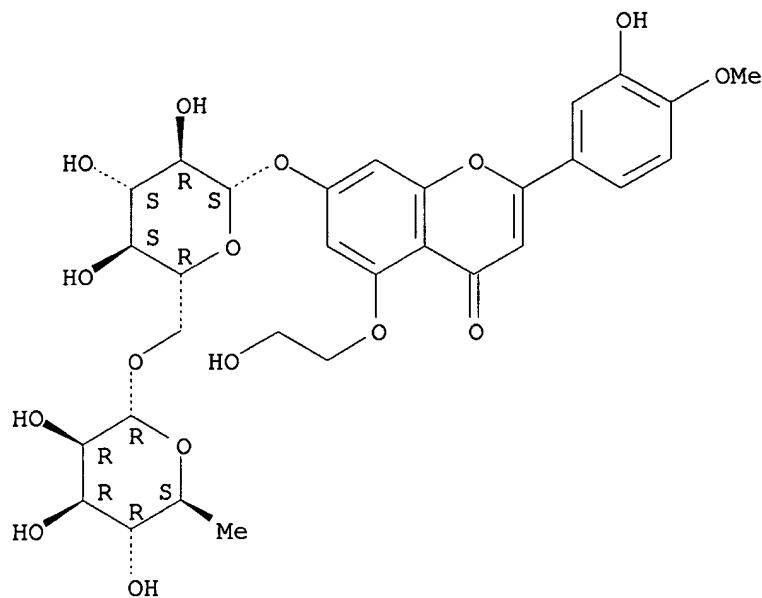


11 REFERENCES IN FILE CA (1957 TO DATE)
11 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> d 13 2-7

L3 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2003 ACS
 RN 115960-14-0 REGISTRY
 CN 4H-1-Benzopyran-4-one, 7-[[6-O-(6-deoxy-.alpha.-L-mannopyranosyl)-.beta.-D-glucopyranosyl]oxy]-5-(2-hydroxyethoxy)-2-(3-hydroxy-4-methoxyphenyl)-(9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN 5-O-(.beta.-Hydroxyethyl)diosmin
 FS STEREOSEARCH
 MF C30 H36 O16
 SR CA
 LC STN Files: CA, CAPLUS, RTECS*, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2003 ACS

RN 80604-68-8 REGISTRY

CN 4H-1-Benzopyran-4-one, 7-[[6-O-(6-deoxy-.alpha.-L-mannopyranosyl)-.beta.-D-glucopyranosyl]oxy]-5-hydroxy-2-[3-(2-hydroxyethoxy)-4-methoxyphenyl]-
(9CI) (CA INDEX NAME)

OTHER NAMES:

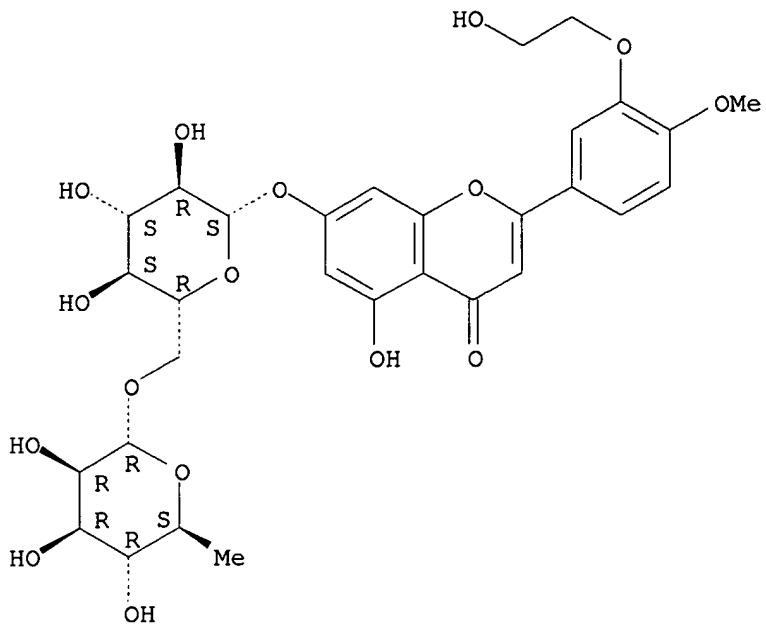
CN 3'-O-(.beta.-Hydroxyethyl)diosmin

FS STEREOSEARCH

MF C30 H36 O16

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2003 ACS

RN 38665-01-9 REGISTRY

CN 4H-1-Benzopyran-4-one, 7-[[2-O-(6-deoxy-.alpha.-L-mannopyranosyl)-.beta.-D-glucopyranosyl]oxy]-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Diosmetin-7-neohesperidoside

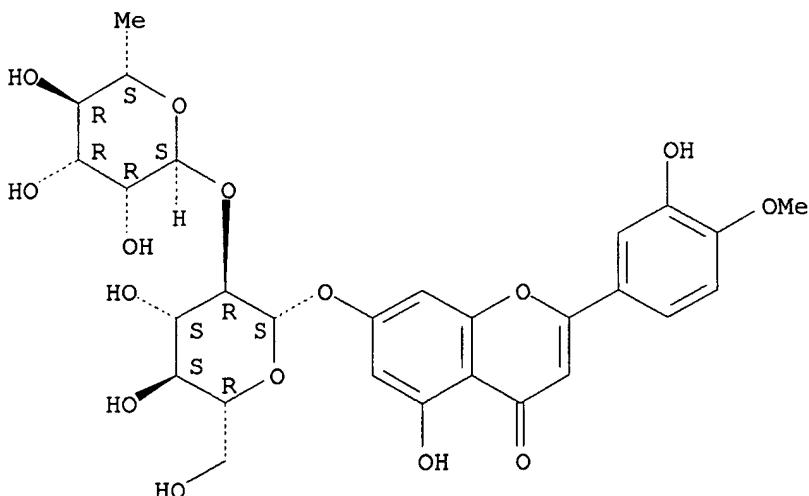
CN Neodiosmin

FS STEREOSEARCH

MF C28 H32 O15

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAPLUS, CHEMCATS, CSCHEM, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

29 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
29 REFERENCES IN FILE CAPIUS (1957 TO DATE)

L3 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2003 ACS
RN 6195-54-6 REGISTRY

CN 4H-1-Benzopyran-4-one, 5-(acetyloxy)-2-[3-(acetyloxy)-4-methoxyphenyl]-7-
[[2,3,4-tri-O-acetyl-6-O-(2,3,4-tri-O-acetyl-6-deoxy-.alpha.-L-
mannopyranosyl)-.beta.-D-glucopyranosyl]oxy]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN **Diosmin, octaacetate (7CI, 8CI)**

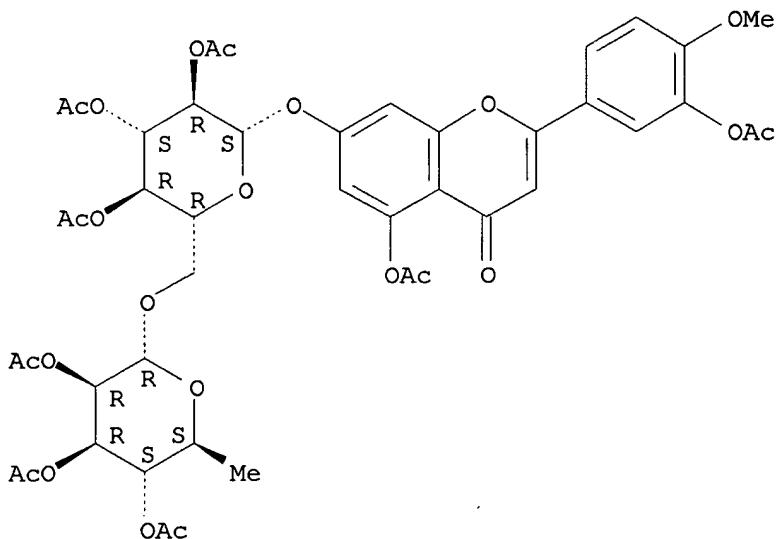
FS STEREOSEARCH

DR 50484-88-3

MF C44 H48 O23

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPIUS, CASREACT
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7 REFERENCES IN FILE CA (1957 TO DATE)
7 REFERENCES IN FILE CAPIUS (1957 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2003 ACS
RN 6195-53-5 REGISTRY'

CN **Diosmin, octakis-O-(trimethylsilyl)- (7CI, 8CI)** (CA INDEX NAME)

OTHER NAMES:

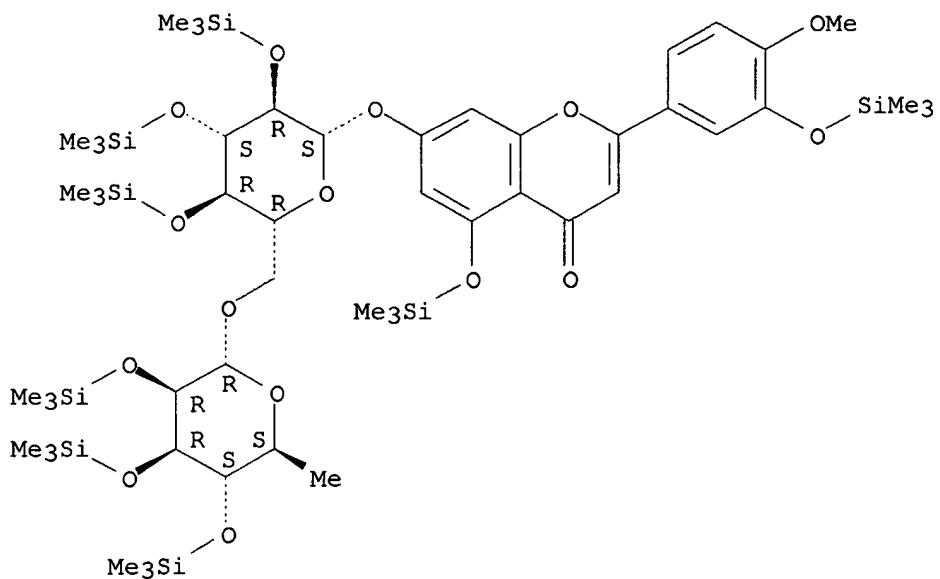
CN Biosmin, octakis-O-(trimethylsilyl)-

FS STEREOSEARCH

MF C52 H96 O15 Si8

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPIUS
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
 2 REFERENCES IN FILE CAPIUS (1957 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2003 ACS

RN 520-27-4 REGISTRY

CN 4H-1-Benzopyran-4-one, 7-[[6-O-(6-deoxy-.alpha.-L-mannopyranosyl)-.beta.-D-glucopyranosyl]oxy]-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Diosmin (7CI, 8CI)

OTHER NAMES:

CN 3',5,7-Trihydroxy-4'-methoxyflavone 7-O-rutinoside

CN Barosmin

CN Buchu resin

CN Diosmetin 7-.beta.-rutinoside

CN Diosmetin 7-O-rhamnosyl(1.fwdarw.6)-glucoside

CN Diosmetin 7-rutinoside

CN Diosmil

CN Diosmine

CN Diosven

CN Diovenor

CN Flebosmil

CN Flebosten

CN Hemerven

CN Insuven

CN Litosmil

CN Tovene

CN Varinon

CN Ven-Detrex

CN Venosmine

FS STEREOSEARCH

DR 9000-18-4, 28680-33-3

MF C28 H32 O15

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,

BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,

CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT,

IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, PHAR, PHARMASEARCH, PROMT,

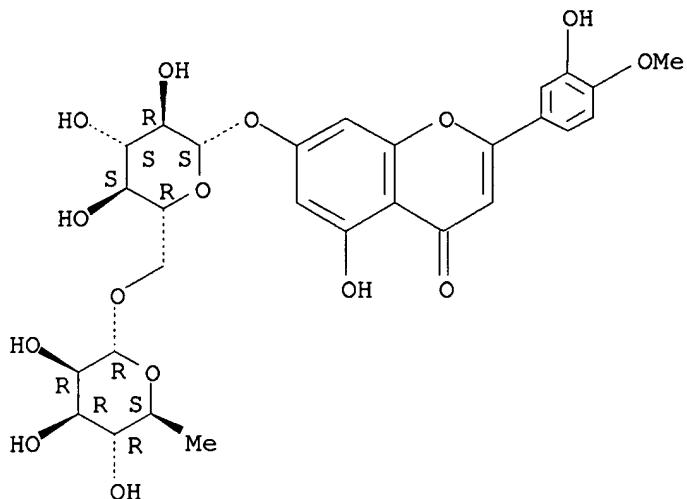
SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

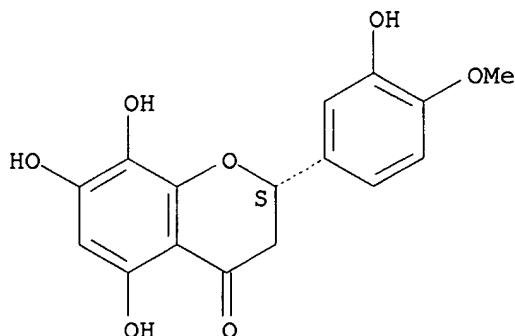
338 REFERENCES IN FILE CA (1957 TO DATE)
13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
340 REFERENCES IN FILE CAPIUS (1957 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s hesperetin
L4 26 HESPERETIN

=> d 14

L4 ANSWER 1 OF 26 REGISTRY COPYRIGHT 2003 ACS
RN 460090-60-2 REGISTRY
CN 4H-1-Benzopyran-4-one, 2,3-dihydro-5,7,8-trihydroxy-2-(3-hydroxy-4-methoxyphenyl)-, (2S)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 8-Hydroxyhesperetin
FS STEREOSEARCH
MF C16 H14 O7
SR CA
LC STN Files: CA, CAPIUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> s luteolin
L5 138 LUTEOLIN

=> d 15

L5 ANSWER 1 OF 138 REGISTRY COPYRIGHT 2003 ACS
RN 461054-58-0 REGISTRY
CN 4H-1-Benzopyran-4-one, 2-(3,4-dihydroxyphenyl)-5-hydroxy-7-[6-O-[(2E)-3-(4-hydroxyphenyl)-1-oxo-2-propenyl]-beta-D-glucopyranosyl]oxy]-(9CI) (CA INDEX NAME)

OTHER NAMES:

CN Luteolin 7-O-(6''-O-E-p-coumaroyl)-.beta.-D-glucopyranoside

FS STEREOSEARCH

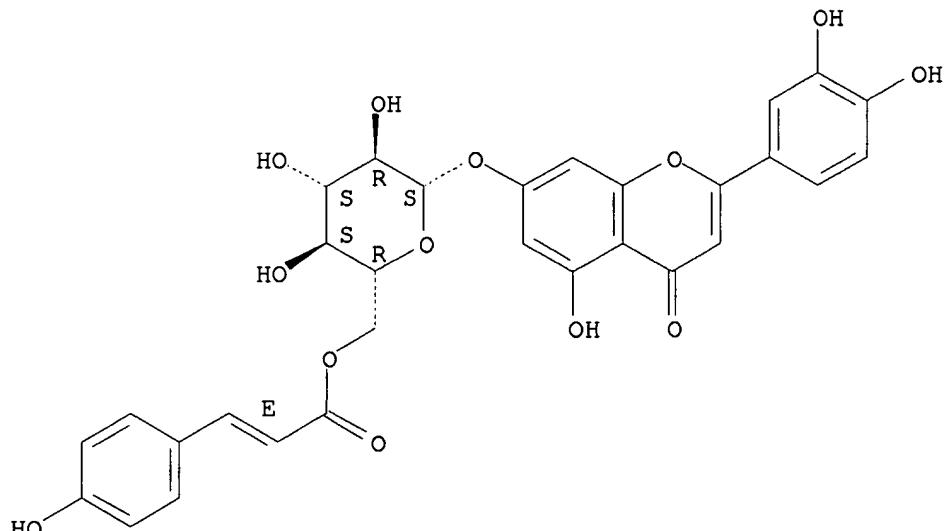
MF C30 H26 O13

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> d 15 2-5

L5 ANSWER 2 OF 138 REGISTRY COPYRIGHT 2003 ACS
RN 461054-31-9 REGISTRY
CN 4H-1-Benzopyran-4-one, 2-(3,4-dihydroxyphenyl)-7-[6-O-[(2E)-3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]-beta-D-glucopyranosyl]oxy]-5-hydroxy-(9CI) (CA INDEX NAME)

OTHER NAMES:

CN Luteolin 7-O-(6''-O-E-caffeooyl)-.beta.-D-glucopyranoside

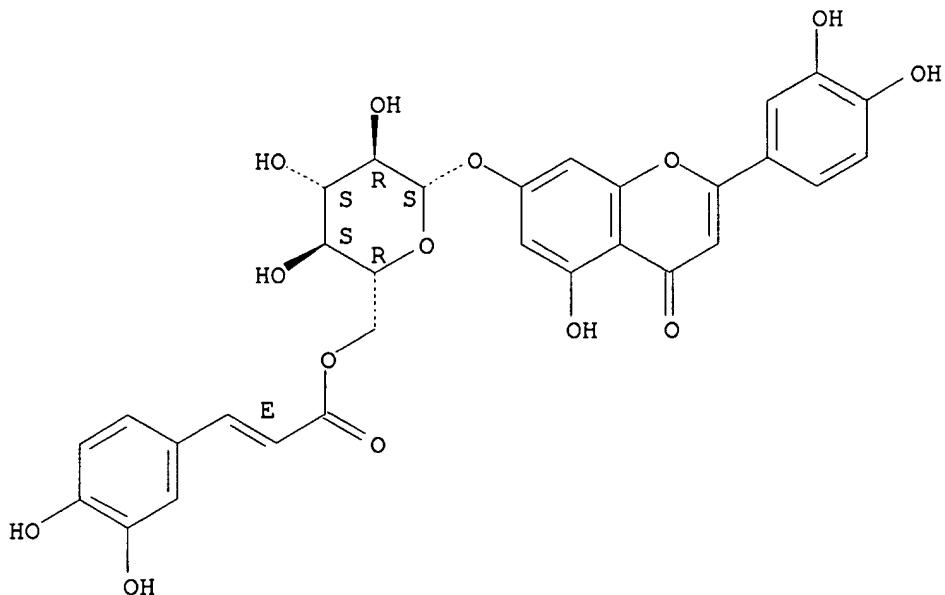
FS STEREOSEARCH

MF C30 H26 O14

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L5 ANSWER 3 OF 138 REGISTRY COPYRIGHT 2003 ACS

RN 342573-20-0 REGISTRY

CN Glycine, 2,2'-[5-(5,7-dihydroxy-4-oxo-4H-1-benzopyran-2-yl)-2,3-dihydroxy-1,4-phenylene]bis[L-.gamma.-glutamyl-L-cysteinyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2',5'-Diglutathion-S-ylluteolin

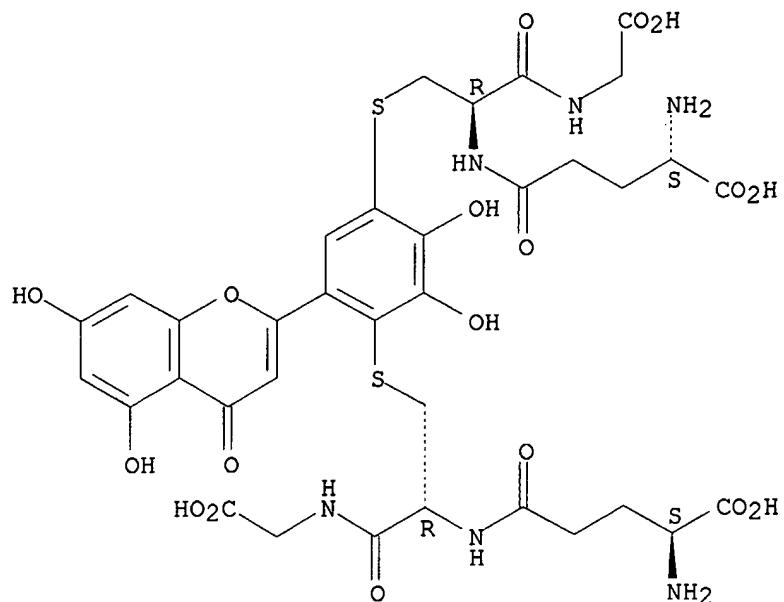
FS STEREOSEARCH

MF C35 H40 N6 O18 S2

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
 2 REFERENCES IN FILE CAPIUS (1957 TO DATE)

L5 ANSWER 4 OF 138 REGISTRY COPYRIGHT 2003 ACS

RN 342573-19-7 REGISTRY

CN Glycine, L.-gamma.-glutamyl-S-[6-(5,7-dihydroxy-4-oxo-4H-1-benzopyran-2-yl)-2,3-dihydroxyphenyl]-L-cysteinyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2'-Glutathion-S-ylluteolin

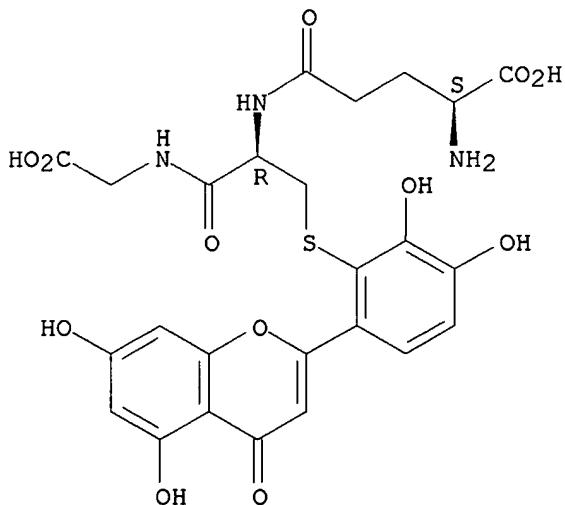
FS STEREOSEARCH

MF C25 H25 N3 O12 S

SR CA

LC STN Files: CA, CAPIUS, TOXCENTER

Absolute stereochemistry.

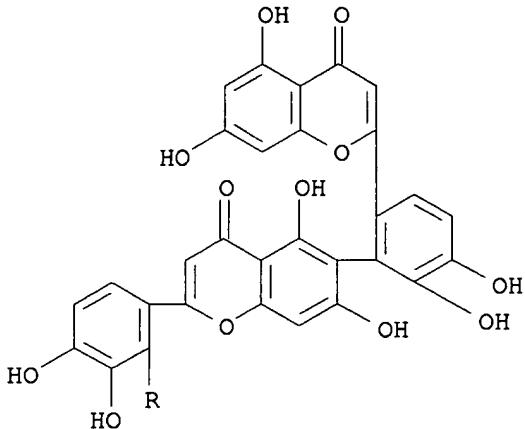


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

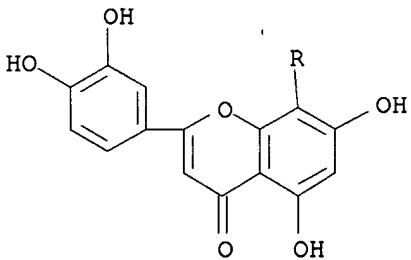
2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L5 ANSWER 5 OF 138 REGISTRY COPYRIGHT 2003 ACS
RN 331230-75-2 REGISTRY
CN 4H-1-Benzopyran-4-one, 6-[6-(5,7-dihydroxy-4-oxo-4H-1-benzopyran-2-yl)-2,3-dihydroxyphenyl]-2-[2-[2-(3,4-dihydroxyphenyl)-5,7-dihydroxy-4-oxo-4H-1-benzopyran-8-yl]-3,4-dihydroxyphenyl]-5,7-dihydroxy- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Rhizogoniumtriluteolin
FS 3D CONCORD
MF C45 H26 O18
SR CA
LC STN Files: CA, CAPLUS

PAGE 1-A



PAGE 2-A



1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

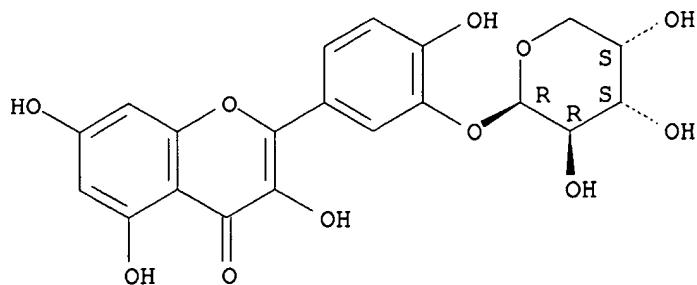
=> s quercetin
L6 336 QUERCETIN

=> d 16

L6 ANSWER 1 OF 336 REGISTRY COPYRIGHT 2003 ACS
RN 503446-91-1 REGISTRY
CN 4H-1-Benzopyran-4-one, 2-[3-(.beta.-L-arabinopyranosyloxy)-4-hydroxyphenyl]-3,5,7-trihydroxy- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Quercetin 3'-.beta.-L-arabinopyranoside
FS STEREOSEARCH
MF C20 H18 O11

SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> s rutin
L7 301 RUTIN

=> d 17

L7 ANSWER 1 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 474975-95-6 REGISTRY
CN Ruthenium titanium nitride (RuTiN) (9CI) (CA INDEX NAME)
MF N . Ru . Ti
AF N Ru Ti
CI TIS
SR CA
LC STN Files: CA, CAPLUS

Component	Ratio	Component	
		Registry Number	
N	1	17778-88-0	
Ti	1	7440-32-6	
Ru	1	7440-18-8	

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> d 17 2-6

L7 ANSWER 2 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 364599-06-4 REGISTRY
CN Acyltransferase, anthocyanidin 3-O-rutinoside aromatic (9CI)
(CA INDEX NAME)
OTHER NAMES:
CN Anthocyanidin 3-O-rutinoside aromatic acyltransferase
CN Anthocyanidin 3-rhamnosylglucoside aromatic acyltransferase
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 3 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 363238-52-2 REGISTRY
CN Acyltransferase, anthocyanidin 3-O-rutinoside aromatic (Viola clone
LBAR-AT17 N-terminal fragment) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 12: PN: WO0172984 SEQID: 25 claimed protein
CN Anthocyanidin rutinoside aromatic acyl transferase (light blue pansy
clone LBAR-AT17 N-terminal fragment)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
 1 REFERENCES IN FILE CA (1957 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 4 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 363238-51-1 REGISTRY
CN Acyltransferase, anthocyanidin 3-O-rutinoside aromatic (Viola clone
LBAR-AT3 N-terminal fragment) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 10: PN: WO0172984 SEQID: 23 claimed protein
CN Anthocyanidin rutinoside aromatic acyl transferase (light blue pansy
clone LBAR-AT3 N-terminal fragment)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
 1 REFERENCES IN FILE CA (1957 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 5 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 363238-50-0 REGISTRY
CN Acyltransferase, anthocyanidin 3-O-rutinoside aromatic (Viola clone
BPAR-AT3 fragment) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 8: PN: WO0172984 SEQID: 17 claimed protein
CN Anthocyanidin rutinoside aromatic acyl transferase (black pansy clone
BPAR-AT3 fragment)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
 1 REFERENCES IN FILE CA (1957 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 6 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 363238-49-7 REGISTRY
CN Acyltransferase, anthocyanidin 3-O-rutinoside aromatic (Viola clone
BPAR-AT2 fragment) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 6: PN: WO0172984 SEQID: 15 claimed protein
CN Anthocyanidin rutinoside aromatic acyl transferase (black pansy clone

BPAR-AT2 fragment)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPIUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1 REFERENCES IN FILE CAPIUS (1957 TO DATE)

=> d 17 10-20

L7 ANSWER 10 OF 301 REGISTRY COPYRIGHT 2003 ACS

RN 363238-45-3 REGISTRY

CN DNA (Viola clone LBAR-AT3 anthocyanidin rutinoside aromatic acyl transferase N-terminal fragment-specifying cDNA plus 5'-flank) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 9: PN: WO0172984 SEQID: 22 claimed DNA

CN DNA (light blue pansy clone LBAR-AT3 anthocyanidin rutinoside aromatic acyl transferase N-terminal fragment-specifying cDNA plus 5'-flank)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPIUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1 REFERENCES IN FILE CAPIUS (1957 TO DATE)

L7 ANSWER 11 OF 301 REGISTRY COPYRIGHT 2003 ACS

RN 363238-44-2 REGISTRY

CN DNA (Viola clone BPAR-AT3 anthocyanidin rutinoside aromatic acyl transferase fragment-specifying cDNA) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 7: PN: WO0172984 SEQID: 16 claimed DNA

CN DNA (black pansy clone BPAR-AT3 anthocyanidin rutinoside aromatic acyl transferase fragment-specifying cDNA)

FS NUCLEIC ACID SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPIUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1 REFERENCES IN FILE CAPIUS (1957 TO DATE)

L7 ANSWER 12 OF 301 REGISTRY COPYRIGHT 2003 ACS

RN 363238-43-1 REGISTRY

CN DNA (Viola clone BPAR-AT2 anthocyanidin rutinoside aromatic acyl transferase fragment-specifying cDNA) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 5: PN: WO0172984 SEQID: 14 claimed DNA

CN DNA (black pansy clone BPAR-AT2 anthocyanidin rutinoside aromatic acyl transferase fragment-specifying cDNA)

FS NUCLEIC ACID SEQUENCE

MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 13 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 363238-42-0 REGISTRY
CN DNA (*Nierembergia* clone NAR-AT anthocyanidin rutinoside aromatic acyl transferase C-terminal fragment-specifying cDNA plus 3'-flank) (9CI)
(CA INDEX NAME)
OTHER NAMES:
CN 3: PN: WO0172984 SEQID: 6 claimed DNA
FS NUCLEIC ACID SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 14 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 363238-41-9 REGISTRY
CN DNA (*Petunia hybrida* clone C9 anthocyanidin rutinoside aromatic acyl transferase C-terminal fragment-specifying cDNA plus 3'-flank) (9CI)
(CA INDEX NAME)
OTHER NAMES:
CN 1: PN: WO0172984 SEQID: 1 claimed DNA
FS NUCLEIC ACID SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

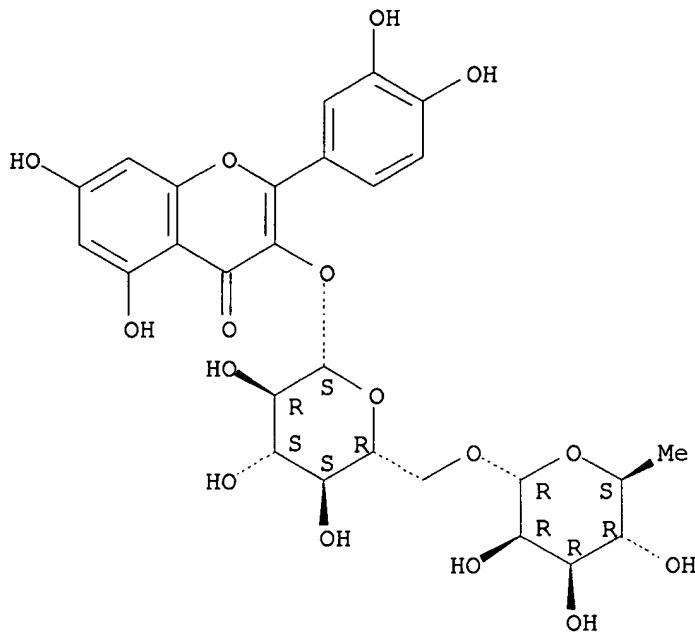
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 15 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 329326-15-0 REGISTRY
CN 4H-1-Benzopyran-4-one, 3-[(6-O-(6-deoxy-.alpha.-L-mannopyranosyl)-.beta.-D-glucopyranosyl)oxy]-2-(3,4-dihydroxyphenyl)-5,7-dihydroxy-, polymer with 1,2-benzenediol (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Benzenediol, polymer with 3-[(6-O-(6-deoxy-.alpha.-L-mannopyranosyl)-.beta.-D-glucopyranosyl)oxy]-2-(3,4-dihydroxyphenyl)-5,7-dihydroxy-4H-1-benzopyran-4-one (9CI)
OTHER NAMES:
CN **Rutin-pyrocatechol copolymer**
FS STEREOSEARCH
MF (C27 H30 O16 . C6 H6 O2)x
CI PMS
PCT Polyether, Polyether only
SR CA
LC STN Files: CA, CAPLUS

CM 1

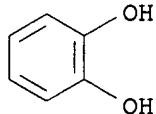
CRN 153-18-4
CMF C27 H30 O16

Absolute stereochemistry. Rotation (+).



CM 2

CRN 120-80-9
CMF C6 H6 O2



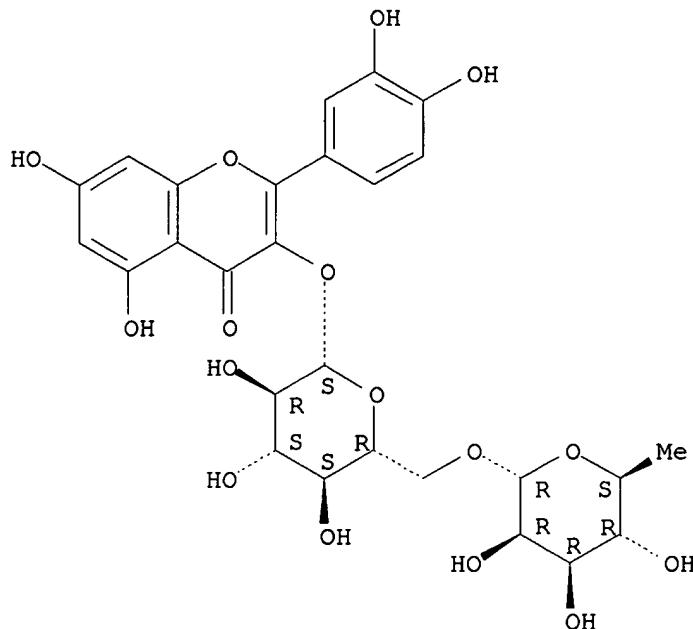
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 16 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 329326-09-2 REGISTRY
CN 4H-1-Benzopyran-4-one, 3-[[6-O-(6-deoxy-.alpha.-L-mannopyranosyl)-.beta.-D-glucopyranosyl]oxy]-2-(3,4-dihydroxyphenyl)-5,7-dihydroxy-, homopolymer (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **Polyrutin**
FS STEREOSEARCH
MF (C27 H30 O16)x
CI PMS
PCT Polyether, Polyether formed
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 153-18-4
CMF C27 H30 O16

Absolute stereochemistry. Rotation (+).



3 REFERENCES IN FILE CA (1957 TO DATE)

3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 17 OF 301 REGISTRY COPYRIGHT 2003 ACS

RN 259813-58-6 REGISTRY

CN 1-Benzopyrylium, 3-[6-O-(2-O-acetyl-6-deoxy-.alpha.-L-mannopyranosyl)-.beta.-D-glucopyranosyl]oxy]-5,7-dihydroxy-2-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **Pelargonidin-3-(2'-acetylrutinoside)**

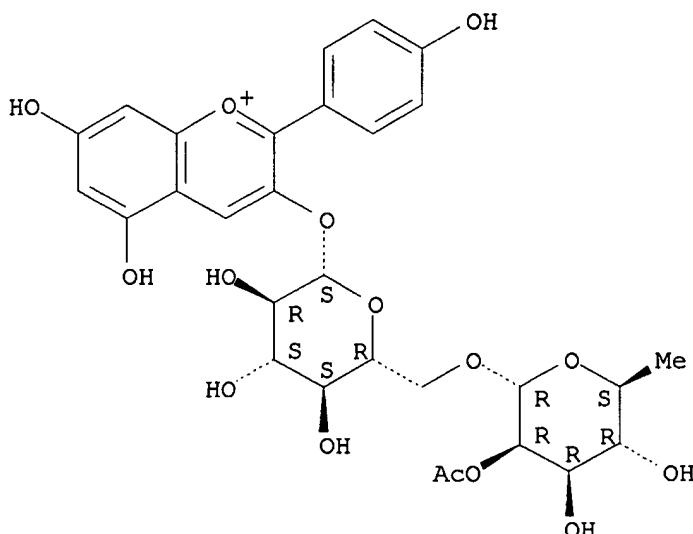
FS STEREOSEARCH

MF C29 H33 O15

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1957 TO DATE)

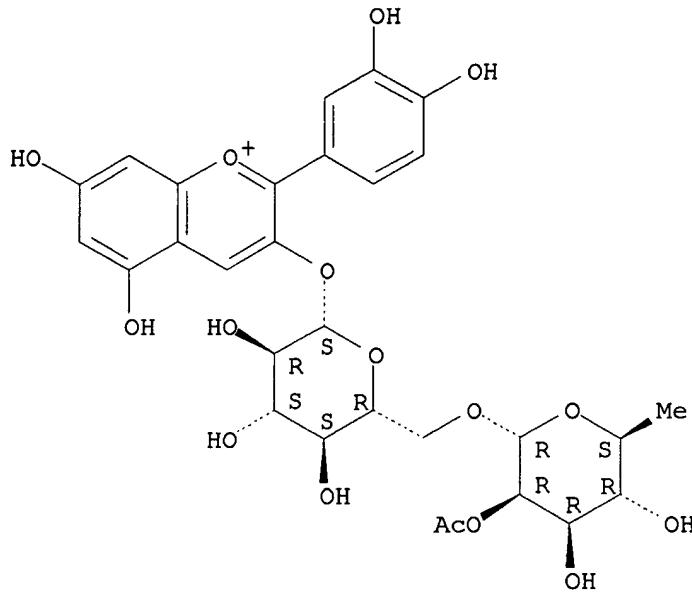
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 18 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 259813-57-5 REGISTRY
CN 1-Benzopyrylium, 3-[6-O-(2-O-acetyl-6-deoxy-.alpha.-L-mannopyranosyl)-
.beta.-D-glucopyranosyl]oxy]-2-(3,4-dihydroxyphenyl)-5,7-dihydroxy- (9CI)
(CA INDEX NAME)

OTHER NAMES:

CN **Cyanidin-3-(2'-acetylrutinoside)**
FS STEREOSEARCH
MF C29 H33 O16
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



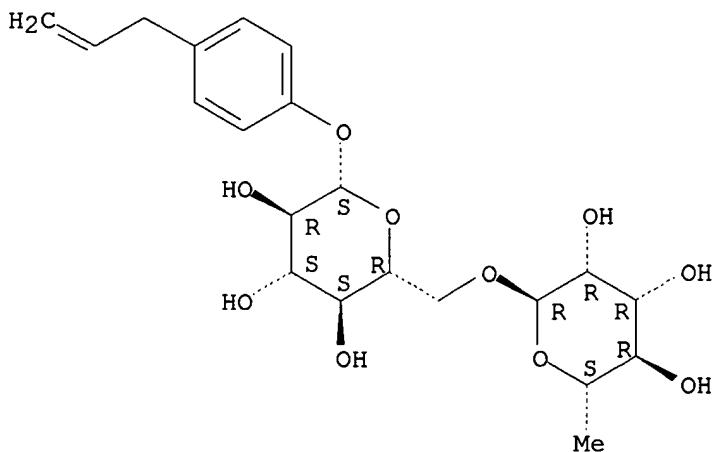
2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 19 OF 301 REGISTRY COPYRIGHT 2003 ACS
RN 259250-64-1 REGISTRY
CN .beta.-D-Glucopyranoside, 4-(2-propenyl)phenyl 6-O-(6-deoxy-.alpha.-L-
mannopyranosyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **Chavicol-.beta.-rutinoside**
FS STEREOSEARCH
DR 454473-96-2
MF C21 H30 O10
SR CA
LC STN Files: BIOSIS, CA, CAPLUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 20 OF 301 REGISTRY COPYRIGHT 2003 ACS

RN 256413-63-5 REGISTRY

CN Olean-12-en-28-oic acid, 3-[[6-O-(6-deoxy-.alpha.-L-mannopyranosyl)-.beta.-D-glucopyranosyl]oxy]-2,19-dihydroxy-, methyl ester,
(2.alpha.,3.beta.,19.alpha.)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2.alpha.,3.beta.,19.alpha.-Trihydroxyolean-12-en-28-oic acid methyl ester 3.beta.-O-rutinoside

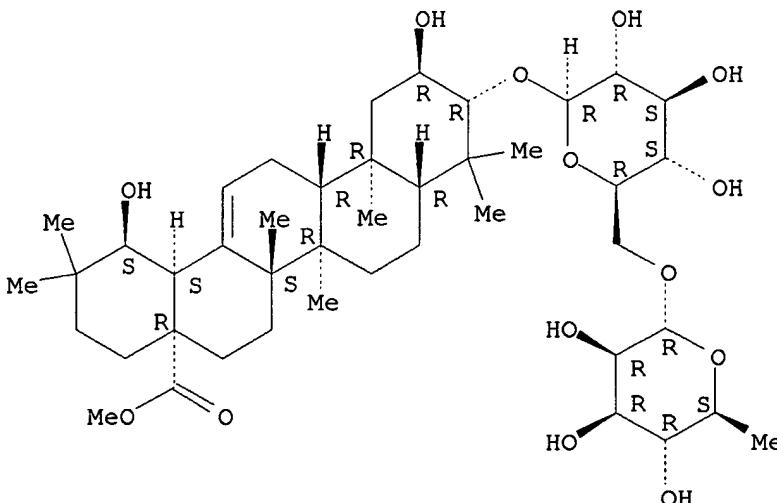
FS STEREOSEARCH

MF C43 H70 O14

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> s biochanin

L8 28 BIOCHANIN

=> d 18

L8 ANSWER 1 OF 28 REGISTRY COPYRIGHT 2003 ACS

RN 335139-12-3 REGISTRY

CN 4H-1-Benzopyran-4-one, 6,8-di-.beta.-D-glucopyranosyl-5,7-dihydroxy-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 6,8-Di-C-glucosyl biochanin A

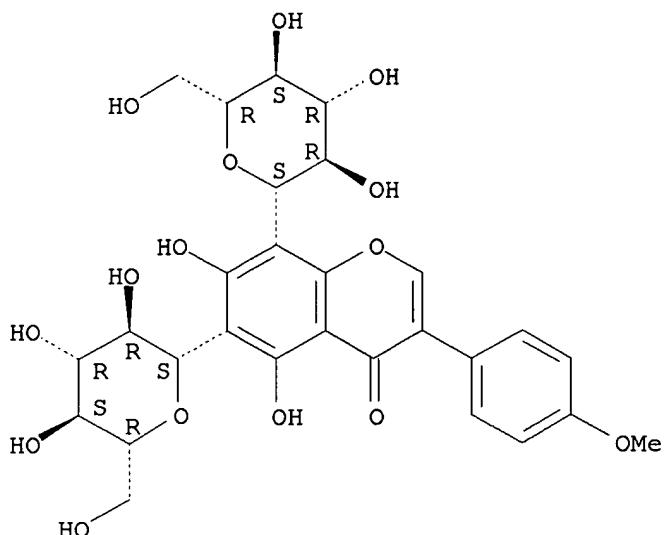
FS STEREOSEARCH

MF C28 H32 O15

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=>